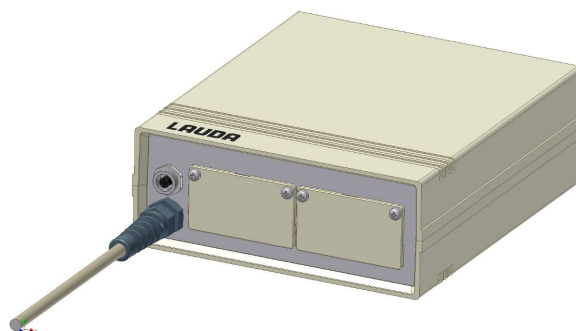


Operating instructions



LiBus interface box Catalogue number LCZ 9727

These instructions only apply in conjunction with the operating instructions for the LAUDA thermostat, where the interface box is connected to!

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Explanation of symbols:



Note: Here, something in particular needs the reader's attention.



Reference: Refers to other information in different sections.

1 Safety information

1.1 Structure of the safety information

Notice	Type and source
	<i>Consequences in the case of non-compliance</i>
	<ul style="list-style-type: none"> • Measure 1 • Measure ...

A “notice” warns about possible property or environmental damage.

1.2 General safety information

Read through the operating instructions carefully. They contain important information for working with this device. If you have any queries, please contact our Service Department.

Follow all the directions in these operating instructions. Only in this way is the correct procedure ensured when working with the device.

These operating instructions apply only in relation to the operating instructions of the LAUDA thermostat, where the interface box is connected!

- Make sure that the device is only operated by instructed specialist personnel.
- Do not make technical modifications to the device. Infringements in this respect invalidate the warranty.
- Have repairs carried out only by specialists!

1.3 Special safety information

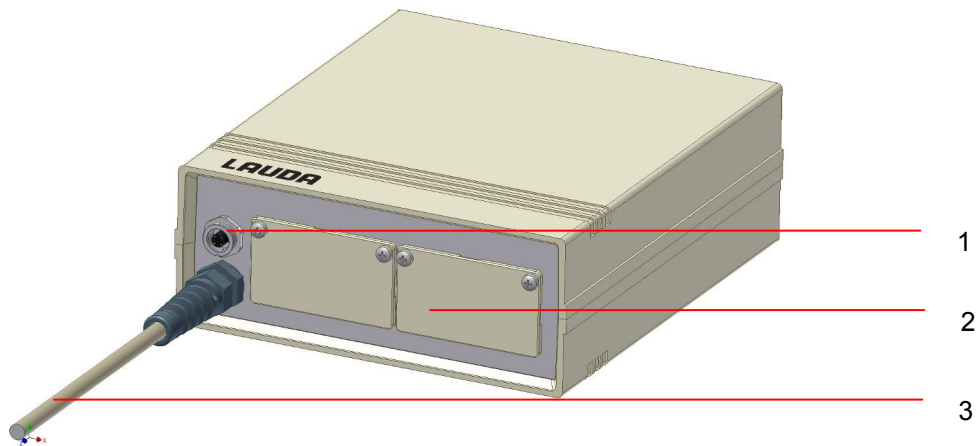
The use of the interface box is only admissible under the following conditions:

- Indoor use. External installation of the box is not considered intended use.
- Operation up to a height of 2000 m above sea level is admissible.
- The siting surface must be impervious, flat, non-slip and non-combustible. Do not position the device at the edge of the bench or table.

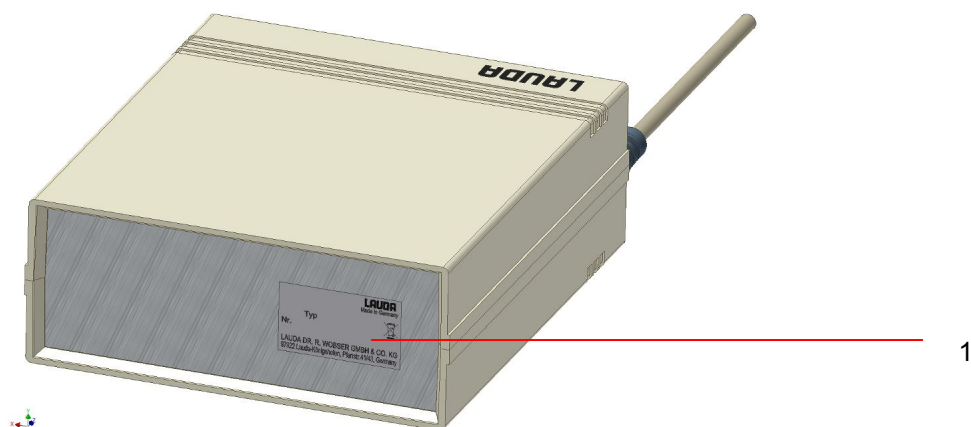
2 Device description

When connecting the LiBus interface box to a thermostat, the number of LiBus interfaces extended by two slots.

LiBus is short for: LAUDA internal BUS (CAN based).



- 1 Socket 70S
- 2 two slots for interface modules 57 mm x 27 mm
- 3 Control cable (EKS 067) for connection to a thermostat with 70S socket



- 1 Type label

2.1 Intended use

The LAUDA LiBus interface box is built exclusively for use with the following LAUDA thermostats. The used thermostats must have a socket 70S.

LAUDA Eco

LAUDA Integral XT

LAUDA Proline

LAUDA Proline Kryomate

The interface box must only be operated as intended and under the conditions stated in these operating instructions. Any other operating mode is not regarded as intended use.

2.2 Non-intended use

The device must not be used...

- for medical/pharmaceutical applications
- when sited outdoors.

It is not allowed to connect ...:

- several identical interface modules
- several Command remote controls
- several identical solenoid valves
- several electric heating of the bath bridge. .

2.3 Responsibility of the operating body - safety information

The operating body is responsible for the qualifications of the operating personnel:

- The interface box must only be configured, installed, maintained and repaired by specialist personnel.
- Persons operating the interface box must be instructed in their work by a specialist.
- Make sure that specialist personnel and operators have read and understood the operating instructions.
- The interface box must be used as intended.
- The operating instructions of the thermostatic unit with which the interface box is to be operated continue to be applicable.

3 Installing of modules

Notice**Touching the PCB of the module when unpacking and installing**

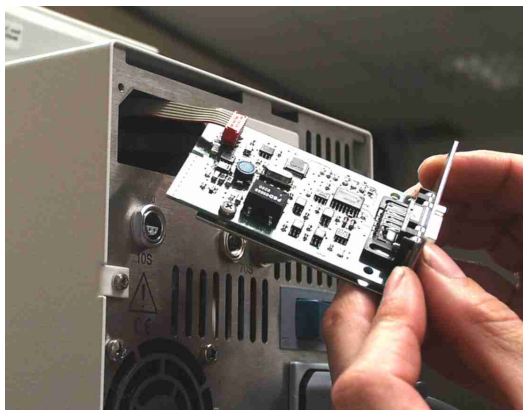
PCB may be impaired in their function or irreversibly damaged

- When handling PCBs, the requirements of ESD protection according to DIN EN 61340 must be observed.

Installation in a module slot is shown here with reference to a Proline device.
In the interface box, the same procedure applies.



- To install the module, the LiBus interface box must **not** be connected to the thermostat.
- When handling PCBs, the requirements of ESD protection according to DIN EN 61340 must be observed.
- Remove the module from its packaging.
- If the LiBus interface box is already connected to the thermostat, turn off the thermostat and remove the cable of LiBus interface box from the thermostat.
- Remove the screws on the plastic cover, if present. Insert a screwdriver into the lower recess of the module cavity and prise up the plastic cover. The cover can then be pulled off downwards.
- Pull out the plug of the bus connecting cable from the plastic cover.



- Plug on the bus connecting cable (red plug onto red socket).
- Insert the module and secure with the two cross-head screws.
- The LiBus interface box can be connected to the thermostat.



- The plugs are protected against reverse polarity. The plugs have a ridge which slides into a groove in the socket.
- It may first the LiBus interface box be equipped with modules, and only then the thermostat.

4 Operation

Notice

Connecting more than one LiBus interface box in series to a thermostat

It may cause malfunction

- Connect only one LiBus interface box to a thermostat!

First connect the LiBus interface box to the thermostat, and then switch on the thermostat!

First switch off the thermostat, then separate the LiBus interface box from the thermostat!